

## Annex 8. Summary of Questionnaire Survey Results

### Annex 8.1. Questionnaire to Project Counterparts

#### 1. Answerers

The questionnaire was answered by 13 counterpart members out of a total of 20 members working for the STC and the RCS. The results of the selection questions are summarized below.

#### 2. How do you evaluate the technology transfer from the Japanese experts?

Fully satisfactory	Fair	Acceptable	Little unsatisfactory	Unsatisfactory
0	8	3	2	0

#### 3. How do you evaluate the training courses in Japan?

The following questions were answered by 7 members who attended the courses in Japan.

	Too long	Appropriate	Too short
3.1. Period	0	7	0

	Fully satisfactory	Fair	Acceptable	Little unsatisfactory	Unsatisfactory
3.2. Contents	1	5	1	0	0

	Yes, sufficiently	Yes, to a certain extent	No, not sufficiently	No
3.3. Are you transferring the knowledge and technology you learned in Japan to your fellow counterparts?	3	3	1	0

#### 4. What prospects do you have of the Project component you belong to?

	No problems are expected	No major problems are expected	Some problems are expected	Serious problems are expected
4.1. Technical aspects such as expertise knowledge and equipment operation and maintenance	1	10	2	0
4.2. Operation and management aspects	1	12	0	0
4.3. Financial aspects	1	9	3	0

### Annex 8.2. Questionnaire to OJT Trainees

The questionnaire was answered by 17 on-the-job-training (OJT) trainees out of a total of 20 members working at the model areas as the project's local counterparts. The results of the key selection questions are summarized below.

	Yes	No	Others
Is the OJT training program useful for your work?	17	0	0
Is the number of engineers enough in your organization?	8	7	Minimum=1 No answer=1

### Annex 8.3. Questionnaire to WIDE Trainees

The questionnaire was answered by 30 ex-trainees out of a total of 60 of the Water Induced Disaster Engineering (WIDE) Course. The results of the key selection questions are summarized below.

	Yes	No	Others
Is the WIDE course useful for your work?	30	0	0
Is the number of engineers enough in your organization?	18	10	2

### Annex 8.4. Questionnaire to MPBA Course Graduates and Students

The questionnaire to the first graduates in March 2003 was answered by 11 graduates out of a total of 15 of the Natural Disaster Management Course (MPBA) of Gadjah Mada University. The results of the key selection questions are summarized below.

	Very suitable	Suitable	Partly suitable
Are the subjects the MPBA suitable for your job?	1	8	2
	Yes	No	Others
How is the relevance of the MPBA study to your expectation in your job?	11	0	0

The questionnaire to the students of the second and third batches was answered by 19 students out of a total of 34 of the course. The results of the key selection questions are summarized below.

	Yes	No	Others	
Is the MPBA program useful for your work?	19	0	0	
	Yes	No	Others	
Is the number of engineers enough in your organization?	13	5	1	
	Yes	Partly yes	No	Others
Is your expectation fulfilled by the MPBA course?	13	1	4	1

Annex 9.

Materials Prepared with Support of the Project

1) Textbooks for training courses

For Integrated Sediment-related Disaster Management course in 2001

- Monitoring and Acquisition System
- Social Development and Disaster
- Landslide and Slope Failure Countermeasures
- Environmental Conservation
- Debris and Flood Control System
- Integrated Sediment Management
- Water and Sediment Disaster Management Related to Legal System

For Integrated Sediment-related Disaster Management course in 2002

- Monitoring and Acquisition System
- Landslide and Slope Failure Countermeasures
- Environmental Conservation
- Debris and Flood Control System
- Integrated Sediment Management
- Water and Sediment Disaster Management Related to Legal System

For Integrated Sediment-related Disaster Management course in 2003

- Monitoring and Acquisition System

For On the Job Training course in 2001

- ISDM (Integrated Sediment-related Disaster Management)
- Pengembangan Perdesaan (Rural Development)
- Pemberdayaan Masyarakat Perdesaan (Rural Community Empowerment)
- Pemetaan Daerah Bahaya (Hazard Mapping)
- Peringatan Dini dan Sistem Evakuasi (Early Warning and Evacuation System)
- Pembelajaran Pencegahan Bencana untuk Masyarakat Setempat (Study on Disaster Mitigation for Local Community)
- Sabo Engineering
- Geomorphologi (Geomorphology)
- PCM (Siklus Pengelolaan Proyek / Project Cycle Management)
  - a. Fasilitas sabo multi fungsi untuk pengembangan perdesaan (Facility of multipurpose

SABO for rural development)

b. Bererapa kegiatan ISDM di daerah modal (ISDM activities in model area)

- Study Kasus (Case Study)
- Perencanaan Jaringan Pos Hidrology (Planning Network of Post Hydrology)

For On the Job Training course in2002

- ISDM (Integrated Sediment-related Disaster Management)
- Pemberdayaan Masyarakat Perdesaan (Rural Community Empowerment)
- Pemetaan Daerah Bahaya (Hazard Mapping)
- Kesiap-Siagaan Menghadapi Bencana (Preparedness to Disaster)
- Konservasi Daerah Rawan Bencana (Hazard Area Conservation)
- Sabo Engineering
- Analisa Hidrology (Hydrology Analysis)
- PCM (Lanjutan) (Project Cycle Management – continued)

For On the Job Training course in2003

- Introduction Model Area
- Case of Natural Disaster and its Countermeasures
- ISDM Activities by public socialization (campaign)
- Making Hazard Map
- Applied Hydrology
- Model Area Information and Discussion
- Basic Survey
- Design Warning System
- Making Criteria

For Water Induced Disaster Engineering course in 2001

- Planning of Sabo, Sediment Management
- Design and Implementation and maintenance of Multipurpose Sabo facility, Vegetation Works
- PCM Method for Cooperate with Residents
- Landslide and Slopefailure
- Identify Hazardous Points and monitoring
- Prediction of Debris Flow, Landslide, Slopefailure
- Explanation of Socialization, Material
- Sediment Related Disaster Survey

- How to Hydraulic Facility
- Model Area Activities on ISDM Project
- Rural Development Conservation
- Hydraulic Model Test.

For Water Induced Disaster Engineering course in 2002

- Sabo Plan and Sediment Management.
- Design Structure and Sabo Implementation
- Vegetation Works
- PCM Method for Cooperate with Implementation
- Landslide and Slopefailure
- Identify Hazardous Points and Monitoring
- Prediction of Debris Flow, Landslide, Slopefailure
- Maintenance Works of Sabo Facilities
- Sediment Related Disaster Survey
- Applied Hydrology
- Rural Development
- Hydraulic Model Test.

For Water Induced Disaster Engineering course in 2003

- Sabo Plan and Sediment Management.
- Design Structure and Sabo Implementation
- Disaster Investigation
- PCM Method for Cooperate with Residents
- Landslide and Slopefailure
- Identify Hazardous Points and Monitoring
- Prediction of Debris Flow, Landslide, Slope Failure
- Maintenance Works of Sabo Facilities
- Applied Hydrology
- Hydraulic Model Test.

For Seminar of Legal System on Natural Disaster

- Report for National Seminar of Legal System on Natural Disaster Victim Caused by Flood, Landslide and Volcano Eruption

For others

- Textbook on Introduction to database design for Sabo Information (Draft)
- Textbook in easy database design for Sabo Information (Draft)
- Principle on Internet Protocol (IP) Address design for Sabo Information (Draft)
- Guideline for designing hazard warning system (First draft)
- Guideline for designing hazard warning system and evacuation – Flood – (Draft)

## 2) Manuals

- Sabo Basic Survey Manual (First Draft)
- Check points sheets for observational equipment for sediment-related disaster (Draft)
- Principle on Internet Protocol (IP) Address design for Sabo Information (Draft)
- Guideline for designing hazard warning system (First draft)
- Guideline for designing hazard warning system and evacuation – Flood – (First Draft)
- Guideline for hazard mapping of sediment-related disaster – Bank erosion and Floods – (First draft)
- Manual for rainfall gauge installation (Draft)

## 3) Reports

- Report for field research for sediment problem in the Wonogiri Dam reservoir (Aug.2001)
- Field Investigation Report of Nias Natural Disaster (Sep.2001)
- Field Investigation Report for Kebumen landslide Disaster (Oct.2001)
- Report of Landslide Disaster in Kulan Progo Regency (Feb.2002)
- Report for field research in West Sumatra (May 2002)
- Report for field research in Palu River, Central Sulawesi (Apr.2002)
- Report of Disaster Investigation in Cilacap, Banyumas and Purbalingga Regency (Jul.2002)
- Investigation report of Tarakan Regency (Sep.2002)
- Report for Field research of Mt.Kelud and Semeru (Oct.2002)
- Investigation Report of Guntur River Debris Flow Disaster in Banyumas (Nov.2002)
- Report of Disaster Investigation in Mt.Papandayan area (Nov.2002)
- Investigation Report of Debris Flow Disaster in Mojokerto regency (Jan.2003)
- Report on Field Survey in Palu River System (Mar.2003)
- Investigation Report of Sediment-related Disaster in Flores Island (Apr.2003)
- Basic Survey Report of Mt. Gamalama in Ternate Regency (Aug.2003)
- Investigation Report of Landslide Disaster of Cikalong in Bandung Regency (Oct.2003)
- Report on "Uji bynyi untuk memilih peralatan penghasil bunyi pada Sistem Peringatan

Dini Bencana Alam” (“Method on sound propagation test of warning system for natural disaster”) in Badan Standardisasi Nasional (Oct.2003)

4) Others

- Entry in World Water Council’s database on “ The approach to sustainable observation of rainfall
- Simple rainfall gauge prototype